

1            **What is claimed is:**

2            1. A cork device comprising:

3                a cork member (2) comprising a lower end (2a) to be inserted into a  
4                mouth (10) of a bottle (1) and an upper end (2b), the lower end (2a) of the  
5                cork member including a liquid passage (23), the liquid passage having a  
6                lower end (231) communicated with an interior of the bottle (1) and an  
7                upper end (230); and

8                a control member (3) pivotally mounted to the upper end (2b) of the  
9                cork member (2) and movable between a sealing position and an open  
10          position, the control member (3) including a liquid outlet passage (35);

11          wherein the upper end (230) of the liquid passage (23) of the cork  
12          member (2) is blocked by the control member (3) when the control  
13          member (3) is in the sealing position; and

14          wherein the upper end (230) of the liquid passage (23) of the cork  
15          member (2) is communicated with atmosphere via the liquid outlet  
16          passage (35) when the control member (3) is in the open position.

17            2. The cork device as claimed in claim 1, wherein the lower end (2a) of the  
18          cork member (2) further comprises an air passage (24) spaced from the  
19          liquid passage (23), the air passage (24) including a lower end (241)  
20          communicated with the interior of the bottle (1) and an upper end (240);

21          wherein the upper end (240) of the air passage (24) of the cork  
22          member (2) is blocked by the control member (3) when the control  
23          member (3) is in the sealing position; and

24          wherein the upper end (240) of the air passage (24) of the cork  
25          member (2) is communicated with atmosphere when the control member  
26          (3) is in the open position.

1       3. The cork device as claimed in claim 2, wherein the control member (3)  
2            further comprises an air inlet passage (36) for communicating the upper  
3            end (240) of the air passage (24) of the cork member (2) with atmosphere  
4            when the control member (3) is in the open position.

5       4. The cork device as claimed in claim 3, wherein the air inlet passage (36)  
6            of the control member (3) includes a first end (362) selectively  
7            communicated with the upper end (240) of the air passage (24) of the cork  
8            member (2) and a second end branching into two branches each having an  
9            air inlet (360) communicated with atmosphere.

10      5. The cork device as claimed in claim 4, wherein each said air inlet (360) of  
11            the control member (3) has a diameter smaller than that of the second end  
12            (350) of the air outlet passage (35) of the control member (3).

13      6. The cork device as claimed in claim 1, wherein the upper end (2b) of the  
14            cork member (2) comprises two opposed sidewalls (26) having aligned  
15            pivotal holes (260), the control member (3) including two pivotal  
16            members (31) respectively on two opposed sides thereof, each said pivotal  
17            member (31) being pivotally received in an associated one of the pivotal  
18            holes (260) of the cork member (2).

19      7. The cork device as claimed in claim 6, wherein each said sidewall (26)  
20            includes a guide groove (261) for guiding an associated one of the pivotal  
21            members (31) into an associated one of the pivotal holes (260).

22      8. The cork device as claimed in claim 6, wherein the upper end (2b) of the  
23            cork member (2) further includes a connecting bottom wall (29) connected  
24            between the sidewalls (260), thereby defining a space for pivotally  
25            receiving a lower end of the control member (3), the upper end (230) of  
26            the liquid passage (23) being defined in the connecting bottom wall (29).

1 9. The cork device as claimed in claim 8, wherein the connecting bottom  
2 wall (29) is arcuate.

3 10. The cork device as claimed in claim 8, wherein the connecting bottom  
4 wall (29) includes a sealing ring (250) surrounding the upper end (230) of  
5 the liquid passage (23) of the cork member (2).

6 11. The cork device as claimed in claim 9, wherein the lower end of the  
7 control member (3) includes an arcuate bottom face (320) for sealing the  
8 upper end (230) of the liquid passage (23) of the cork member (2) when  
9 the control member is in the sealing position.

10 12. The cork device as claimed in claim 11, wherein the liquid passage (35) is  
11 defined in the lower end (32) of the control member (3).

12 13. The cork device as claimed in claim 6, wherein the control member (3)  
13 includes a stop (33), and wherein the connecting bottom wall (29) includes  
14 an end edge (27) against which the stop (33) abuts when the control  
15 member is in the sealing position.

16 14. The cork device as claimed in claim 6, wherein the control member (3)  
17 includes a stop (34), and wherein the connecting bottom wall (29) includes  
18 an end edge (28) against which the stop (34) abuts when the control  
19 member is in the open position.

20 15. The cork device as claimed in claim 14, wherein the control member (3)  
21 includes a second stop (34), and wherein the connecting bottom wall (29)  
22 includes a second end edge (28) against which the second stop (34) abuts  
23 when the control member is in the open position.

24 16. The cork device as claimed in claim 1, wherein the control member (3)  
25 includes a stop (33), and wherein the cork member (2) includes an end

edge (27) against which the stop (33) abuts when the control member is in the sealing position.

17. The cork device as claimed in claim 1, wherein the control member (3) includes a stop (34), and wherein the cork member (2) includes an end edge (28) against which the stop (34) abuts when the control member is in the open position.

18. The cork device as claimed in claim 17, wherein the control member (3) includes a second stop (34), and wherein the cork member (2) includes a second end edge (28) against which the second stop (34) abuts when the control member is in the open position.